

Campbell, Matthew (DEQ)

From: Campbell, Matthew (DEQ)
Sent: Friday, October 16, 2015 10:54 AM
To: nhautamaki@mqtco.org
Cc: Casey, Steve (DEQ); Wolfe, Rob (DEQ); Beauchamp, Karen (DEQ); Parent, Jay (DEQ)
Subject: K.I. Sawyer Revise SWRF Operating Plan Approval

Dear Mr. Hautamaki,

Review of the K.I. Sawyer Wastewater Treatment Plant revised septage waste operating plan by the Department of Environmental Quality (DEQ) is complete. The operating plan is approved and meets the requirements outlined in Section 11715b of Part 117, Septage Waste Servicers, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

The primary revision is the elimination of the facility service area. Instead, authority to dispose at the facility is done on a contractual basis with the license septage waste businesses. Second, portable toilet wastes will be accepted and limited to 500 gallons per day at the facility.

Be advised that the receiving facility must operate in accordance with the approved plan. If a change in operations or conditions is anticipated, including fees charged to accept septage waste, please file an amendment to the operating plan at least thirty (30) days prior to the proposed date for implementation.

The DEQ Septage Waste Program will post the revised operating plan on its website (www.michigan.gov/deqseptage).

Thank you for your continued environmental stewardship and service to those with on-site wastewater systems in and around your community and the licensed septage waste businesses who service them. Be advised that all Michigan licensed septage waste businesses are listed in the Septage Haulers Directory posted on the program webpage. If you have any questions regarding this matter, please call to me at 517-780-7974 or by e-mail at Campbellm4@michigan.gov.

Sincerely,



Matthew Campbell
Environmental Quality Specialist
Department of Environmental Quality
Office of Drinking Water and Municipal Assistance
Environmental Health Section
517-780-7874 (Jackson District Office)
www.michigan.gov/deqseptage

PORTABLE TOILET WASTE RECEIVING OPERATING PLAN

for the

**K.I. Sawyer Wastewater Treatment Plant
Gwinn, Michigan**

September 23, 2015

LOCATION

The K.I. Sawyer Wastewater Treatment Plant is located at 1080 M-94 in Gwinn, Michigan at the former K.I. Sawyer Air Force Base. Operating hours are 7:30 AM to 3:30 PM, 7 days per week.

Types of Wastes Received

We are currently receiving portable toilet waste from licensed septage haulers with a signed and approved contract only. We will not accept any septage, grease trap, or pit toilet waste.

SERVICE AREA

There are no service area requirements in effect due to this agreement.

RATES

Rates at the K.I. Sawyer WWTP are set annually after review by the Marquette County Board of Commissioners. Currently our rate is 8 cents per gallon, but this rate will change once a new rate is adopted by the Marquette County Board of Commissioners.

Receiving Hours

Haulers with a signed and approved contract shall be permitted to haul to the facility at any time. Portable toilet waste is currently received at the RV Dump Station, across the road from the wastewater treatment plant office building. A sign in log is located near the RV Dump Station. Haulers are required to clean up any spills that may occur at the receiving station.

Wastewater Treatment Plant Capacity

Currently we are receiving portable toilet waste in our RV Dump Station. We have been averaging 194 gallons per day.

We will be limiting the amount of portable toilet waste received in the RV Dump station to 500 gallons per day. If this daily limit is reached, the remaining portable toilet waste will be received at our aerated lagoon for dilution. The total limit of 6,000 gallons per week will be enforced.

The Capacity of the rotating biological contactors has been calculated with our current configuration. The Biological Oxygen Demand capacity is 539 pounds per day, and the Ammonia Nitrogen capacity is 86 pounds per day. The suspended solids capacity has been calculated using the Maximum Allowable Headworks Loadings and is 448 pounds per day.

Our primary clarifier removal percentages were calculated from the averages of 3 years of laboratory data. With the 6000 gallons per week, we will be at 43 % capacity for Biological Oxygen Demand, and 48% capacity for Suspended Solids. Ammonia is not reduced in the primary clarifier and we will be at 61% capacity. Phosphorus capacity was not determined, since typically the phosphorus levels can be maintained by adjusting aluminum sulfate feed rates.

K.I. Sawyer Wastewater Treatment Plant
Agreement to Discharge Portable Toilet Waste

“Licensed Hauler” _____ MDEQ license number _____

is authorized to discharge portable toilet waste at the K.I. Sawyer Wastewater Treatment Plant at 1080 M-94 in Gwinn Michigan.

This one year agreement will expire on _____.

Septage, grease trap, or pit toilet waste will not be accepted at this time.

This facility will accept up to 500 gallons per day of Portable Toilet Waste at the RV Dump Station. It is the Haulers responsibility to check the Log Sheet located at the RV Dump Station to see if the 500 gallon per day limit has been exceeded or would be exceeded with the discharge of the trucks contents. During normal operation hours (7:30 AM to 3:30 PM) Portable toilet waste in excess of the 500 gallons can be discharged in the aerated lagoon. In addition, there is a 6000 gallon per week limit for all portable toilet waste received. It is very unlikely that this amount of waste will be reached, but if it is, no portable toilet waste will be allowed to be discharged until the following Monday

The K.I. Sawyer Wastewater Treatment Plant Staff reserves the right to refuse any portable toilet waste loads at any time for any reason.

The K.I. Sawyer Wastewater Treatment Plant Staff reserves the right to terminate any portable waste hauling agreement **immediately** if it is determined that the discharge resulted in the violation of the facilities National Pollution Discharge Elimination System (NPDES) permit.

Any spills caused by the discharge of portable toilet waste will be cleaned up by the hauler at their expense.

If there are any questions regarding this agreement, please call Nicholas Hautamaki, K.I. Sawyer Water/Wastewater Department Supervisor at (906)-346-9403

This Agreement was approved by: _____
K.I. Sawyer Wastewater Treatment Plant Supervisor